



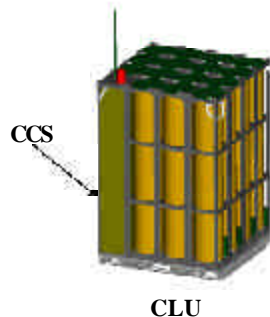


**MANEUVER &  
FIRE SUPPORT  
BOS**

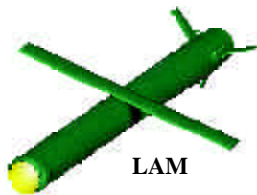
## **NON-LINE OF SIGHT LAUNCH SYSTEM (NLOS-LS)**

*NLOS-LS Task Force*

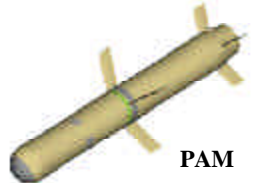
**LAUNCHER/MISSILES**



**CLU**



**LAM**



**PAM**

**SYSTEM DESCRIPTION:** The Non-Line of Sight Launch System (NLOS-LS) builds on the Defense Advanced Research Projects Agency (DARPA) demonstration called Netfires. The NLOS-LS concept consists of a family of platform independent, containerized guided munitions that are vertically launched directly from a container that is optimized for logistics, deployability, and lethality. The NLOS-LS is intended to be one of the premier systems for network centric operations and warfare in the Future Force.

**SYSTEM CHARACTERISTICS:** The current concept for NLOS-LS includes: a Loiter Attack Missile (LAM) and Precision Attack Missile (PAM); Missile Canister; Container/Launch Unit (CLU); and Computer and Communications System (CCS). The LAM will be able to fly to extended ranges with a significant loiter time at its maximum range and will provide imagery to support surveillance, targeting, and battle damage assessment. The LAM is intended to attack high payoff targets. The PAM is a guided missile using a boost-glide trajectory for attack of hardened targets at extended ranges. The CLU will serve as the basic NLOS-LS firing unit, shipping container, and launcher. It will provide an anti-tamper capability and be capable of remote commands to disable, launch, test for reliability, and conduct firing operations without the use of an attendant crew. The NLOS-LS will be platform independent.

**Sensor/Seeker:** The LAM will employ LASER Detection and Ranging (LADAR) seeker. The PAM will employ a dual mode uncooled imaging infrared (UCIIR) and SAL seeker.

**Warheads:** The PAM will have a shape charge and the LAM will have a blast fragmentation warhead.

**Target Sets:** Armor, soft targets, and bunkers

**Contractor:** Raytheon and Lockheed Martin have formed a joint venture called Netfires Limited Liability Company (LLC).

**Acquisition Phase:** Currently a Pre-SDD Risk Reduction Phase is underway prior to contractually entering SDD in FY04. The program is managed by the NLOS-LS Task Force, PEO Tactical Missiles and is funded through PM Future Combat Systems.

**Milestones:** As a core system of FCS, NLOS-LS completed MS B in May 2003. An update to this milestone is expected in Nov 2004 that will address the required documentation in greater detail. The FCS MS C is scheduled for Mar 2008.

**Fielding:** The Initial Operational Capability (IOC) for NLOS-LS is scheduled for the fourth quarter of CY10 and the Full Operational Capability (FOC) for the fourth quarter of CY 12.

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